

# SEQUENCE LISTING

<110> WAHBI, Kamal et al.

<120> Nucleic acids coding for peptides having the biological activity of sorbin

<130> P07500US00/BAS

<140> 10/031,167

<141> 2001-01-17

<150> PCT/FR00/02076

<151> 2000-07-19

<150> FR 99/09406

<151> 1999-07-20

<160> 20

<170> PatentIn Ver. 2.1

<210> 1

<211> 474

<212> DNA

<213> swine

<400> 1

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tttaagcaaa tccacatggt gcacaagcca gatgatgaca cagacatgta taatactcct 120
tatacatata atgcaggcct gtacaactca ccctacagtg ctcagtcaca tcctgctgcc 180
aagaccacga cctacagacc cctctccaaa agccactctg acaatggcac cgacgccttt 240
aaggatgctt cctcacctgt ccctccccc ccatgttctc ctccagtgcc acctctgcga 300
ccaagagatc ggtcttcaac agaaaagcat gactgggata ctccagacag aaaagtggac 360
acgagaaaat ttcgatcgga gccacggtct atttttgaat acgagcctgg gaagtcatcc 420
atcctgcagc acgaacgacc cgtcacgaaa ccgcaagcag ggcgccgtaa ggtc 474
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<210> 2

<211> 153

<212> PRT

<213> pig

<220>

<221> MOD\_RES

<222> (153)

<223> AMIDATION

<400> 2

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Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Asp Asp
      20             25             30

Asp Thr Asp Met Tyr Asn Thr Pro Tyr Thr Tyr Asn Ala Gly Leu Tyr
      35             40             45
```

Asn Ser Pro Tyr Ser Ala Gln Ser His Pro Ala Ala Lys Thr Gln Thr  
 50 55 60  
 Tyr Arg Pro Leu Ser Lys Ser His Ser Asp Asn Gly Thr Asp Ala Phe  
 65 70 75 80  
 Lys Asp Ala Ser Ser Pro Val Pro Pro Pro His Val Pro Pro Pro Val  
 85 90 95  
 Pro Pro Leu Arg Pro Arg Asp Arg Ser Ser Thr Glu Lys His Asp Trp  
 100 105 110  
 Asp Pro Pro Asp Arg Lys Val Asp Thr Arg Lys Phe Arg Ser Glu Pro  
 115 120 125  
 Arg Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser Ser Ile Leu Gln His  
 130 135 140  
 Glu Arg Pro Val Thr Lys Pro Gln Ala  
 145 150

<210> 3  
 <211> 492  
 <212> DNA  
 <213> Homo sapiens

<400> 3  
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 tttaagcaaa ttcacatggg gcacaagccg gatgatgaca cagacatgta taatactcct 120  
 acacctcaca tgaaatatac atacaatgca ggtctgtaca acccacccta cagtgtctcag 180  
 tcacaccctg ctgcaaagac ccaaacctac agacctcttt ccaaaagcca ctccgacaac 240  
 agccccaatg cctttaagga tgcgtcctcc ccagtgcctc ccccatatgt tccacctcca 300  
 gtcccgccgc ttcgaccaag agatcgggtc tcaacagaaa agcatgactg ggatcctcca 360  
 gacagaaaag tggacacaag aaatttcggg tctgagccaa ggagtatttt tgaatacgag 420  
 cctgggaagt catccatcct gcagcacgaa cgaccggtca cgaaaccgca agcagggcgc 480  
 cgtgataagt cc 492

<210> 4  
 <211> 158  
 <212> PRT  
 <213> Homo sapiens

<220>  
 <221> MOD\_RES  
 <222> (158)  
 <223> AMIDATION

<400> 4  
 Met Lys Ala Thr Thr Pro Leu Gln Thr Val Asp Arg Pro Lys Asp Trp  
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 Tyr Lys Thr Met Phe Lys Gln Ile His Met Val His Lys Pro Asp Asp  
 20 25 30

Asp	Thr	Asp	Met	Tyr	Asn	Thr	Pro	Thr	Pro	His	Met	Lys	Tyr	Thr	Tyr
		35					40					45			
Asn	Ala	Gly	Leu	Tyr	Asn	Pro	Pro	Tyr	Ser	Ala	Gln	Ser	His	Pro	Ala
	50					55					60				
Ala	Lys	Thr	Gln	Thr	Tyr	Arg	Pro	Leu	Ser	Lys	Ser	His	Ser	Asp	Asn
	65				70					75					80
Ser	Pro	Asn	Ala	Phe	Lys	Asp	Ala	Ser	Ser	Pro	Val	Pro	Pro	Pro	His
				85					90						95
Val	Pro	Pro	Pro	Val	Pro	Pro	Leu	Arg	Pro	Arg	Asp	Arg	Ser	Ser	Thr
			100					105					110		
Glu	Lys	His	Asp	Trp	Asp	Pro	Pro	Asp	Arg	Lys	Val	Asp	Thr	Arg	Asn
		115					120					125			
Phe	Gly	Ser	Glu	Pro	Arg	Ser	Ile	Phe	Glu	Tyr	Glu	Pro	Gly	Lys	Ser
	130					135					140				
Ser	Ile	Leu	Gln	His	Glu	Arg	Pro	Val	Thr	Lys	Pro	Gln	Ala		
145					150					155					

<210> 5  
 <211> 1794  
 <212> DNA  
 <213> Homo sapiens

<400> 5  
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 acacctcaca tgaaatatac atacaatgca ggtctgtaca acccacccta cagtgtctcag 180  
 tcacaccctg ctgcaaagac ccaaacctac agacctcttt ccaaaagcca ctccgacaac 240  
 agccccaatg cctttaagga tgcgtcctcc ccagtgcctc cccacatgt tccacctcca 300  
 gtcccgccgc ttcgaccaag agatcgggtc tcaacagaaa agcatgactg ggatcctcca 360  
 gacagaaaag tggacacaag aaatttcggg tctgagccaa ggagtatttt tgaatacgag 420  
 cctgggaagt catccatcct gcagcacgaa cgacctgtct accagtcttc catagacaga 480  
 agcttggaag gaccagcag ctctgcaagc atggcgggtg actttagaaa acggaggaag 540  
 agtgaacctg cagtgggccc gccagggggc ttggggggtc acagttcaag caggaccagc 600  
 cccggccggg cagacctccc aggatcaagt tccaccttta ccacgtcttt cattagttct 660  
 tctccttctt ctccctcgag agcacaaggt ggggatgata gcaaaatgtg tccgccccct 720  
 tgcagttact cggggctcaa tggctcgccc tctagttagt tagagtgtct cggcgcttat 780  
 agaaggcact tggacgtccc ccaggactct caaagggcca tcactttcaa gaacggctgg 840  
 caaatggccc ggcaaaatgc agagatctgg agtagcactg aagaggcggg tcccccaaaa 900  
 atcaaatac gaagctgtga cgatctcctg aatgatgact gcggcagctt cccagaccct 960  
 aaaaccaagt cagaaagcat gggttctctg ttatgtgacg aaggctccaa agagagcgac 1020  
 cccatgacgt ggacttcccc ctacatcccg gaagtgtgag ggaacagcag agaattcatg 1080  
 tttaagcaaa tggaatttcg tggaaatctc ggaaggagga ccattttgga aagtgtctaa 1140  
 ggaataatcta tagatagtga ggaatctatg agaaagatgt aaagtgttag acgtaaattt 1200  
 tttgggttag tagatgatca ctgatttaaa tgtataacag agtagatgcc cccccctca 1260  
 aaaacgcata accccccctt taccctgaca tttagctttg aatatgcaca aaatagtttg 1320  
 tgggtagaat agaaccctat gtctgaaagt atatgtgttg ggatttcac ccatatatgg 1380  
 tggtagccgc caactcagag ataggtcggt ctgttagatt ctcaacaaca aaatgtataa 1440  
 cacaagcttg aattcatgtt taagcaaata aaaataatgt gggagactgg acagaggtca 1500

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gggaccccag ggtgccaagt gtagctcaga gtcaccattg gtgaatcgct tcatctccat 1560
gtggaactaa atgcaactaa gtgatttctt aggccttccc cagtcattct tagtgaaaat 1620
atggacttcc cacatcaatt ctgagtcact ttcttcccac ctggaatgat taccattttt 1680
ctcatagtca gtgtatgcag cagcatatac cctcatttgc ctttgggtac attcctgagt 1740
caaaatgtat aacacaaggt cacgaaaccg caagcagggc gccgtgataa gtcc 1794

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<210> 6
<211> 21
<212> DNA
<213> Homo sapiens

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<400> 6
cccgtcacga aaccgcaagc a 21

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<210> 7
<211> 30
<212> DNA
<213> Homo sapiens

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<400> 7
cacgaacgac ccgtcacgaa accgcaagca 30

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<210> 8
<211> 120
<212> DNA
<213> Homo sapiens

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<400> 8
cctccagaca gaaaagtgga cacaagaaat ttcgggtctg agccaaggag tatttttgaa 60
tacgagcctg ggaagtcata catcctgcag cacgaacgac ccgtcacgaa accgcaagca 120

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<210> 9
<211> 7
<212> PRT
<213> Homo sapiens

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<220>
<221> MOD_RES
<222> (7)
<223> AMIDATION

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<400> 9
Pro Val Thr Lys Pro Gln Ala
  1             5

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<210> 10
<211> 10
<212> PRT
<213> Homo sapiens

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<220>

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<221> MOD\_RES  
<222> (10)  
<223> AMIDATION

<400> 10  
His Glu Arg Pro Val Thr Lys Pro Gln Ala  
1 5 10

<210> 11  
<211> 40  
<212> PRT  
<213> Homo sapiens

<220>  
<221> MOD\_RES  
<222> (40)  
<223> AMIDATION

<400> 11  
Pro Pro Asp Arg Lys Val Asp Thr Arg Asn Phe Gly Ser Glu Pro Arg  
1 5 10 15

Ser Ile Phe Glu Tyr Glu Pro Gly Lys Ser Ser Ile Leu Gln His Glu  
20 25 30

Arg Pro Val Thr Lys Pro Gln Ala  
35 40

<210> 12  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<220>  
<221> misc\_feature  
<222> (9)..(9)  
<223> n=(a or c or t or g)

<400> 12  
aargayacnt ayaarac

17

<210> 13  
<211> 17  
<212> DNA  
<213> artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 13  
cggccgaagg actggta 17

<210> 14  
<211> 18  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 14  
acaagccgag atgatgac 18

<210> 15  
<211> 22  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 15  
gtcttcaaca gaaaagcatg ac 22

<210> 16  
<211> 17  
<212> DNA  
<213> artificial sequence

<220>  
<223> Description of the artificial sequence: primers  
used for the RT-PCR

<220>  
<221> misc\_feature  
<222> (3)..(3)  
<223> n=(a or c or t or g)

<400> 16  
ggncgytcrt gytgyag 17

<210> 17  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 17  
ggatcccagt catgctt

17

<210> 18  
<211> 17  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 18  
tgatgactt cccaggc

17

<210> 19  
<211> 48  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 19  
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48

<210> 20  
<211> 21  
<212> DNA  
<213> Artificial sequence

<220>

<223> Description of the artificial sequence: primers  
used for the RT-PCR

<400> 20  
tgcttgcggt ttctgacgg g

21